

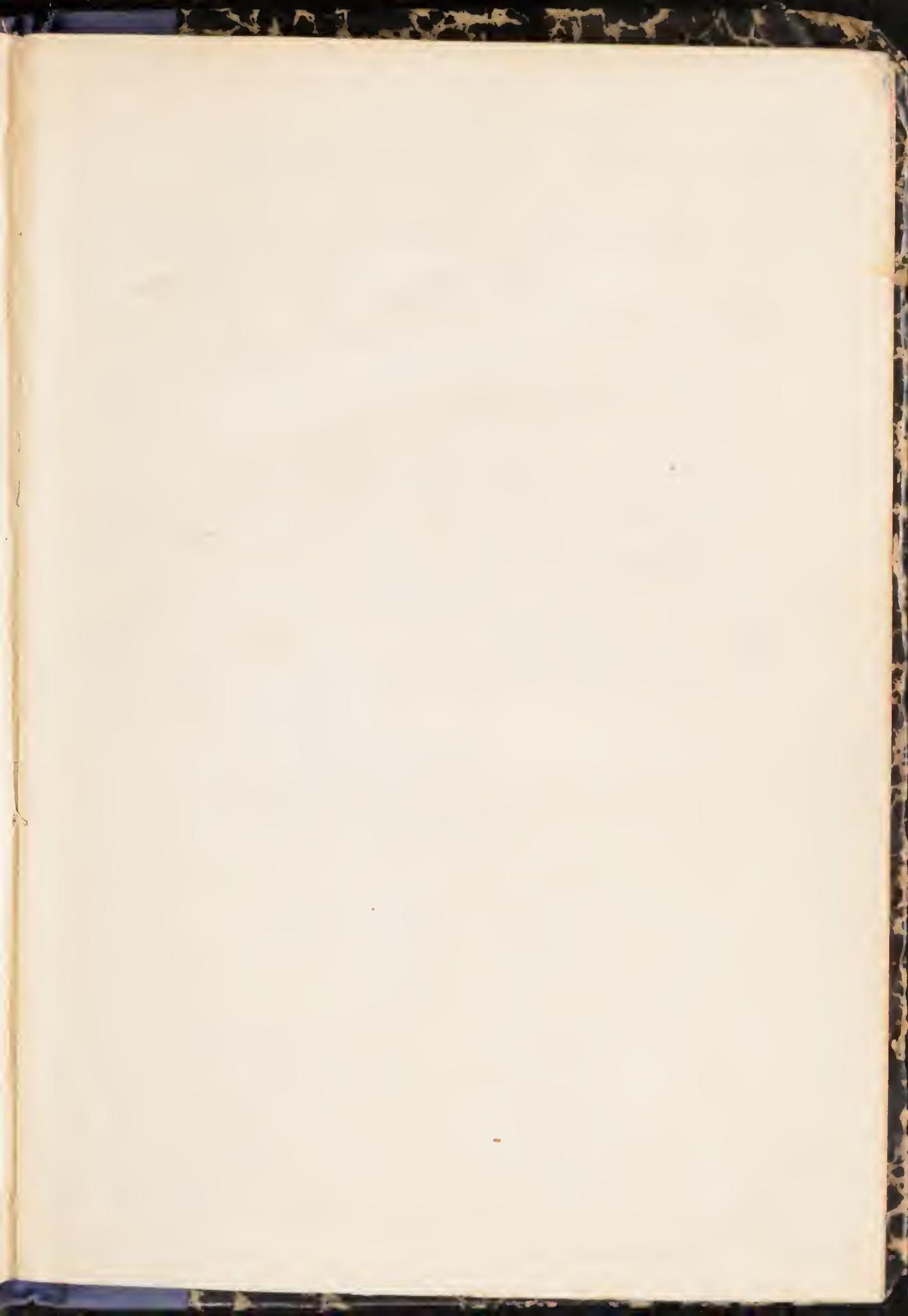
Coll  
72(D)  
III - 4  
1942

Roberts field notes

66

H R Roberts —  
Academy of Natural Sciences  
195 S Parkway  
Philadelphia

Orthoptera notebook  
to southwest  
spring 1942  
for Tanner





(4500 ft)

①

185

Jay Six Ranch Benson, Ariz  
March 26-28nearly freezing at night  
upto 70 or 80° at mid day  
very dry, grass just  
beginning to show, few  
flowers, occasional yellow  
poppies in bloom, they say  
the spring is a little late  
this year.

Beetles about 20

(20)

Homoptera 7 days

(4)

temp.

(3)

high crested Oed. 8 feet

8

low " " 3 "

3

Xanthippus? 3 feet

3

Rockbenton? 2 feet

2

Sabalax 1 feet

1

Psalocid 5 feet

5

(27) 22



(1)

Corylus? 4 juv	4
Tetragid (short pronotum)	17
"    long    "	9
Phasmid? short antennae?	2
	<hr/>
(2)	32
	<hr/>
	22
	<hr/>
	54

grouse species were all  
found along wet gravel  
stream beds  
and latter seen occasionally  
but hard to catch  
Other than high & low  
elevated oak, and Colorado  
pines very scarce & local



Earp, Cal. March 31

dry wash just west of town  
greasewood in bluffs  
and bushes with yellow  
daisy like flowers

T. pallidipennis all adult  
though some terminal  
Helocassis (blue legs)? common  
though hardly any females  
adult

Periscus mostly very  
immature - on greasewood  
and other bushes  
Hagel found Pediocactus on  
giant sage wood about to  
attack Periscus

Shistocerca nigra (only seen) 10

T. pallidipennis (common) 10 3



## (2) cont.

<i>Helecastes?</i>	907 294 juv?	15
small blackish juv?		1
<i>Periclimenes</i>	2 juv	2
<i>Pectinatella</i>	1 juv	1
		<u>23</u>

beetle 1  
weevils 1

(2)



Wild Rose Canyon, Penitent Mts.  
April 2 4500 ft  
= (in swamp)

<i>Trachelitis</i>	10♀ 3♂	12
<i>Psolocera</i> ?	4♂ 3juv	7
od?	3juv	3
<i>Tanacetus</i>	5♀ 1♂	6
<i>Gryllus</i>	1 juv	1

single series of *Tanacetum* etc.

2 *Mycetophilidae* under  
boulder with ants

*Trachelitis* found much the  
same areas as *Tanacetum* -  
very adept at getting into base  
of bushes



4 mi. N. Wild Rose, Pennsylvania  
April 3 4400 ft

*Tanacetum* 252 (juv & '90) } 40  
69 not stiff }  
smooth, shiny, gravel on  
gentle, between bushes

*Dactylis* 29 2



Notes on *Tanacetum* from  
Barrow's

Taken between 4000 & 3500 ft.  
extension of range in elevation  
probably much greater.

Bush on which it apparently  
feeds pretty much common.  
However, only saw 101 actually  
on a bush before disturbed,  
and never got a specimen  
out of a bush at random  
nor kicked one out.

Also when disturbed they  
will try and hide among  
the stones without trying  
to reach a bush, as described.

The ground on which they  
were found was quite smooth  
and had only pebbles  
on gentle slopes, ~~usually~~  
not found in the crevices



notes on *Tanacetum*  
(cont.)

In a cage (10' x 3') some grass and a piece of the common buck (little tear shaped leaves) was placed. They began to eat the buck-leaves of the buckthorn.

The long slender antennae were used a great deal and it would appear as though their eyesight was poor.

The specimens appear to have just become adult and a few just were taken. Many of the females were very tender and no evidence of copulation was seen.



April 4<sup>th</sup>

(5)

Anza River 10-20 mi S.  
of Death Valley Junction 1500 ft +

Anconia 3♀ 1♂ (20g each) 6

very windy and hard  
to locate or catch



April 4<sup>th</sup>

⑥

Sulphur Pass 3500 ft?  
(camp)

2 jew blue faced

cold and windy



(7)

Daylight Pass lat. 35°  
S. of Death Valley  
4500 ft April 5<sup>th</sup>

Tamoceras 69 6.

Same general environment  
as in Pavaoins  
except green wood present  
more gross and finely  
broken



25 mi. S. of Beatty, Amargosa  
Desert Nevada  
2500 ft April 5

Tanacetum 3920 5  
as compared to previous localities  
very surprisingly different  
country ~~dry~~ light  
soil (dusty) with few  
scattered pebbles  
tufts of grass and a different  
species of low brush  
a few scattered great wood  
plunge beetle (1)



April 6

9

8 mi N. Death Valley Junction  
2200 ft. above sea level

Received 12 juv 2  
in envelopes



April 6

(11)

near Roswell, New Mexico  
5 mi E Roswell, 3000 ft.

blue legged sparrow  
immature

localities though in  
one general spot collected

74. *Proleucoptera* only found  
at local half way up, just  
becoming adult,  
juvenile found at higher  
local.

Single snow at Charles  
Park.

April 6<sup>th</sup>

(10)

Rd to Charlston Park, Charl. Mts.  
Nevada. 2-5000 ft. ?

Tenacocerus	15♀	1♂	juv.	17
Violaceus	5♀	6♂	juv.	15
Weld lily	0 ad.	1 juv.		1
Black Beetles				(2)

Locality rich and vegetation  
was bracts  
and as trees and most  
types of bushes though  
so wood poorly, ground  
flat for a few beginning  
wood to begin in at  
Juniper and Juniper pine  
highest locality got only  
jewel and saw 2 others.  
Cald not see it at lower



(12)

Mountain Pass (N. of Baker) Cal  
4500 ft April 7<sup>th</sup>  
foot of slope, a few cedar  
and much golden trees  
was spruce abundant  
between bushes

South mountain road, 8900 ft 15<sup>th</sup>  
*T. pulcherrimus*  
*P. colorad.* 1 adject 3



(13)

20 miles <sup>E</sup> Baker Cr.  
2000 ft? April 7

*T. pulchellipennis* 201

(14)

4 miles <sup>E</sup> Baker Cr.  
1500 ft  
dry wash

*Melanoplus*? (greenish) 1



(Met. after 3) 15

Blk. Barker & Barstow  
2000ft. April)

whitish sandstone with  
many bushes

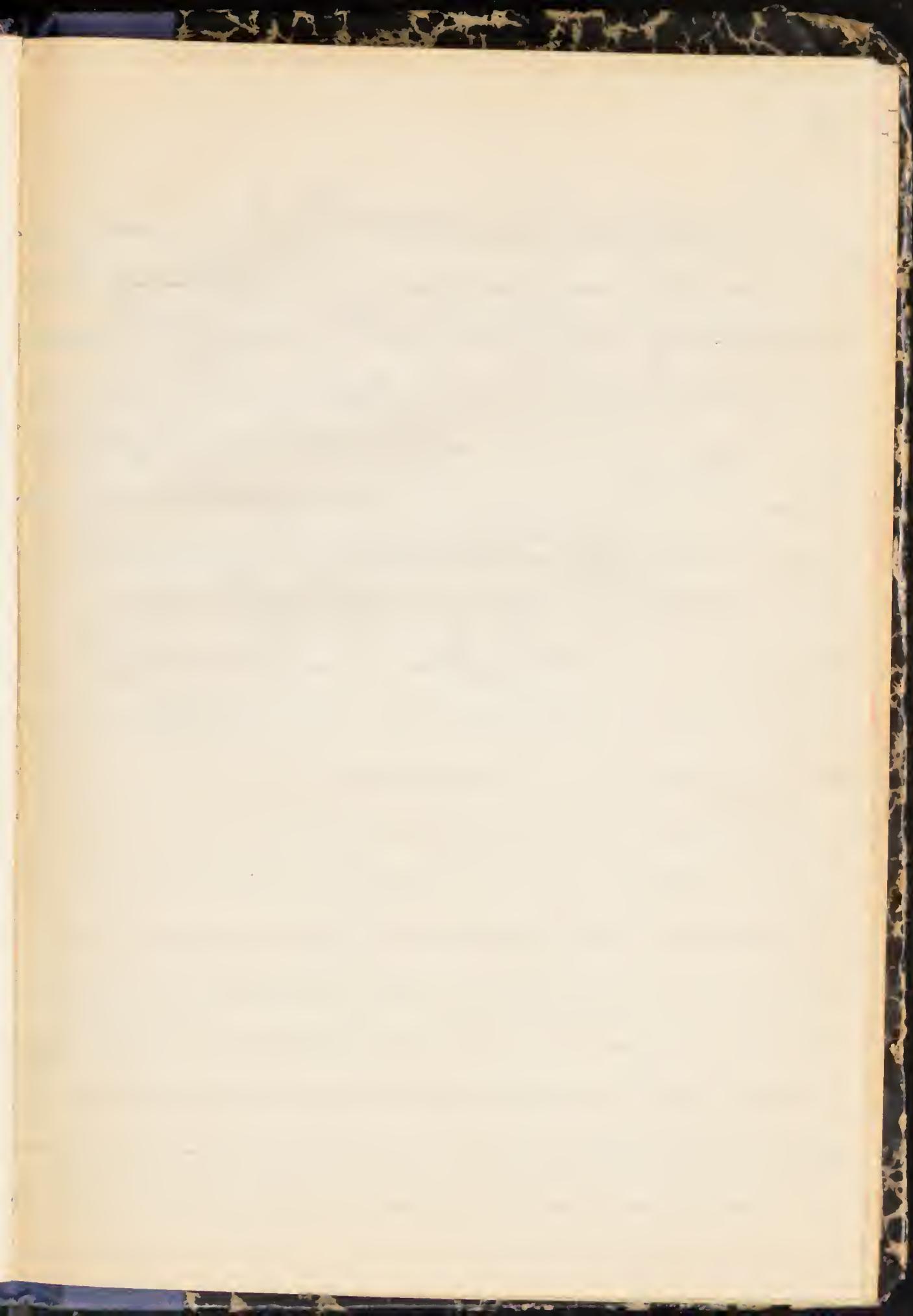
baconia? 12

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Barstow 2100ft. Cal 16  
(Banci W.) April)

baconia 2410ft. 3







(17)

2 mi E. Ellsworth, Col. April 9  
2500 ft +

Deciduous with scattered juniper  
and aspens. ~~on~~ brush & ground  
cold, windy

Streptanthus?	4 ft	4
Tamias carolinus (1 + 2)		3
T. pallidipennis 3 ft 2 per		4
Hesperomys?	1 few	2
Perognathus	1 few	1



W.M. to Beaumont April 9  
 elev. ? scrub hills with what  
 between (but desert)

Clark's sparrow		
(neophaenus)	4920	6
Helecastes?	2930	5
Troch	2 feet	2
Teleogopus?	1 foot	1



(19)  
April 11<sup>th</sup>

1-3 miles S. of Hwy near border  
of Riverside & Imperial Co line  
-1000 ft elevation Cal.

<i>Acromia</i>	7♀ 7♂	14
<i>Schistocerca vaga</i>	2♂	2
<i>T. pallidipennis</i>	1♂	1
yellowwing small Arpia	1♂	1
phasmid gray	1♀	1
myroph	2♂	1
from low bush (5-6 feet high)		
2 beetles		

very dry and burnt out  
low scrubby bushes  
of 1000 ft. several small  
flies were found on  
scrub



April 11<sup>th</sup>

(20)

lower part of Canyon below,  
Coach & Palm Springs  
+ 500 ft

*Acacia?* 14 1  
*T. pallidopteris* 18 few 2  
*T. hastata?* 10 few 2 2



24

in 1165 to west of Radio  
House - Sunday April 12

Tomorrow 9<sup>th</sup> 10<sup>th</sup>

Spent 2 nights at Mineral about  
4000 - flowers in vicinity  
most of that day signs of  
diluvium water - got a  
good few broken bits of  
copper - white with shells  
and some green  
ones. - and broken  
nuggets about 10 AM  
Collected all day with bat  
16 and very very few  
They were found at widely  
scattered places, always



on the ground though they  
had closed to a pile of bushes.  
The were large and full  
of eggs and easy to catch.  
I had a box of 100.  
I took them, about  
20 minutes. I just sat  
on the first a while on a  
soave sand and turned  
about two times, when I  
removed the net over it  
nearly all the crabs  
that had dropped  
up were in a pile sand  
very sluggish during  
the time I sat there when it  
got cooler around sunset  
they were much more  
active (old enough to wear  
a heavy sweater)



Description of locality.  
gravelly boulders about  
it were crumbling from  
large areas of coarse gravel  
soil vegetation rich &  
varied - juniper  
sparsely scattered, few  
boulders, gravelly soil, some  
few species of low  
herbaceous plants, small  
grass and a few patches of bushes.

Most likely location for  
appearance in sand  
bare spots of moderate  
size with fine sandy  
soil and boulders  
Mole shows no attempt  
to excavate.



Tazon Park, San Joaquin  
 San Bernardino Mtn Park  
 4000 ft. April 14

<i>Tamiasciurus</i>	40-50	3 juv	22
<i>Perognathus</i>	25		3
<i>Onychomys</i>	10-30		4
<i>Thomomys</i>	30-90	juv	5
<i>T. pallidopus</i>	10		1
<i>Peromyscus</i>	12	1 juv	2
<i>Chrysothamnus?</i>	10		1

This specimen was  
 left in my car with the  
 overnight. It was a  
 light grey-brown



and desert semidesert

5-10 mi E. of Julian 2-3000 ft.

April 15<sup>th</sup> Cal

- *Neosconaopl. t. caps* 1♂ 1♀ 2  
found together, male singing 11:30 AM  
in low scrubby bog
- *T. pallidipennis* 1♂ 1♀ 2
- Little blue l. yellow *Acrtia* 1♂ 4♀ 11  
most common along stream bank  
of road.
- 2 sp. tetrigid 2♀ 2 juv. 4  
along stream bank  
(*Helicaster*? juv not coll.)

beetles

(6)



1 mi S. Julian 4500 ft  
Col. April 15<sup>th</sup>

Chortophaga? 40769 10



25

(4 mi W. Jacumba)

blw Jacumba & Bonito and 3000 ft

April 15-16 Cal

Helcastus?	5 ♀	3 ♂ (juv)	8
Arphia, large red w <sup>4 ♀</sup> 3 ♂, juv			10
Chonophaga?	6 ♂	6 ♀	12
Oedaleonotus?	1 ♀	5 juv	8
R 1 ♂	1 ♀	in envelope	

Montispida? (1)

desert scrub & some grass  
not acid enough for Tamarix?



April 16<sup>th</sup>

26

14 miles. of Yuma just E of  
Dunes. coarse grass tufts

*Achnatherum*? 2 feet in undepos  
Phragmid 1 foot



In-Ko-Pah Gorge E. Jacumba  
2000ft. April 15

and but little grass ~~but~~<sup>#27</sup>  
suggestive of loc. #21

Blattids large winged  
came to light

3



Broad washes - Minnewaska camp [28]  
hard ground dry washes

Ogilby, Hoffmann Ed  
April 17<sup>th</sup>

*T. pallidopanice* 18

*Heleocheilus?* 19 (travel)

*Typhlotyle* 19 (wood)

*Dactyloctenium* 19 (wood)

*Arctozena* 20 (wood)

"Archie" Valley (1)

3 on open hard packed stones



3-4 mi. W. Yuma, Cal April 1955  
overgrown irrigated area  
short curly grass & bare  
ground

Large B. billip. like	4 ♀ 2 ♂ 1 4 juv	10
Chortophaga?	1 ♂	1
<u>Melanoplus</u> form?	1 ♀	1



4-8 miles

4 mi E Newhall, Calif.  
Apr. 17 to 9/18<sup>th</sup>along dry wash (camp)  
"on the bank"

green lacewing	4 ♀	11 in ♀	5
<i>Chrys. waga</i>	3 ♂	1 ♀	4
<i>T. pallidipennis</i>	1 ♂		1
<i>Cebolacris</i>	1 ♀	(4 in.)	1
<i>Diaphorina</i>	1 ♀	3 in ♀	2
<i>Chrysanthemum</i>	2 ♀		3
<i>box</i> ?	2 ♀		2
<i>Neurolophus</i> green	3 ♀		3
<i>Oryctes agrestis</i>	1 ♀	1 in ♀	1
<i>Locusta migr.</i>	1 ♀	1 in ♀ (1)	

typical ♀ plus in. from places  
less cool along wash  
Anconia & Neurolophus from  
bush (specimen taken)



4 miles E. Needham <sup>cont'd</sup>  
8 miles <sup>Arizona</sup>

*Acronia* ♀ 4 ♀ 4 ♂ (Mormon) 8  
*Cibolacris* 1 ♀ 1

This second wash much  
more of the "bush" was  
present and it could be  
easily gotten by lightly  
beating the bushes and  
the ♂ would fly out and  
usually alight on the sand  
also ♀. Some of the  
specimens could also  
be flushed from the  
bush.

At the 1st location no  
♂ were found & ♀ just  
became adult. Do they turn  
brown when they become fully  
adult?



Aug.

22 mi W. Gila Bend Apr 18<sup>th</sup>  
 slight sand wash with  
 much grass - two kinds,  
 the large tufts of coarse  
 grass and a much smaller  
 species. Most of the grass  
 was dried up.

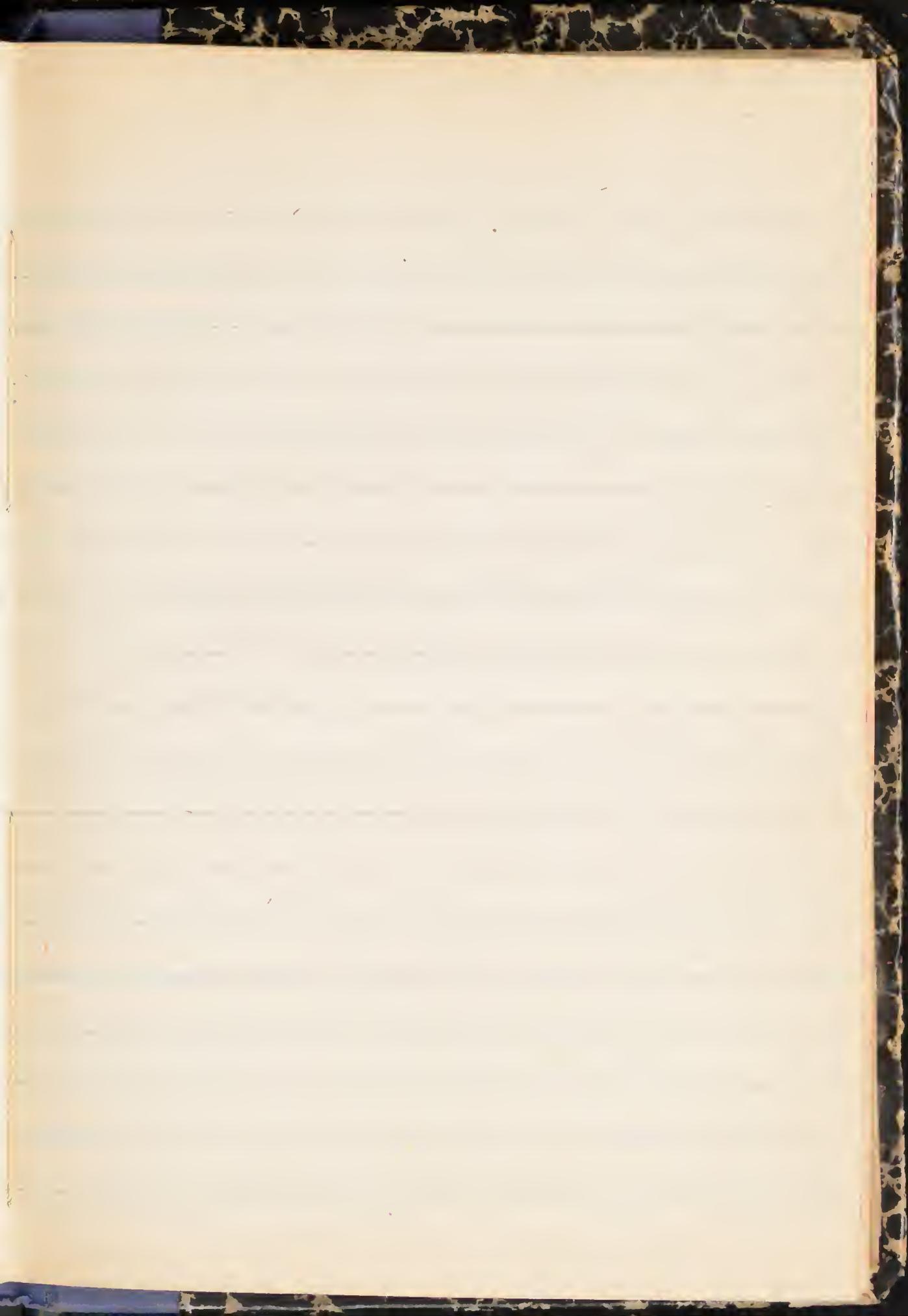
gray tritellix like?	29	78	1 few	10
T. pallidopanic.	10 <sup>1</sup>			1
Psoloessa	19			1
Achnium?	1 few			1



J 6 Ranch, Benson Ariz April

<i>Xanthippus corallipes</i>	29	juv	5
<i>T. pallidipes</i>	10		1
<i>Spermophilus</i> <sup>?</sup> yellow	19	3♂	4
<i>Lactista</i>	18	1♀	2
<i>Citellus</i>	1	juv	1
<i>Psiloceras</i>	2	♀	2
<i>Ereliellus</i>	10	3♂ 1♀	4







April 2.  
Wild Rose Canyon, Panamint

No.

- 1 ~~Tamocerus!~~
- 2 " ~~gonad?~~
- 3 ~~Droctellix~~
- 4 "
- 5 ~~scutony?~~ 5A ~~gonad~~ ~~Tamocerus~~
- 6 ~~Droctellix~~

10-20 miles S. Death Valley Junction

7 ~~Linocrin?~~

8 "

9 " ~~juv.~~

Pine Park, San Jacinto, loc<sup>#</sup> 22

10 ~~Droctellix (some named today)~~

11 "

12 "

13 "

14 " ~~juv.~~



15 *Tanacetum*

16 "

17 "

18 "

— 14 mi to Yuma loc #28

19 *Ti cristata*

4 mi W. Jacumba loc #25-

20 *Cetoloma*

4 mi E Mohawk

21 *Celosia*

22 "

23 "

24 "

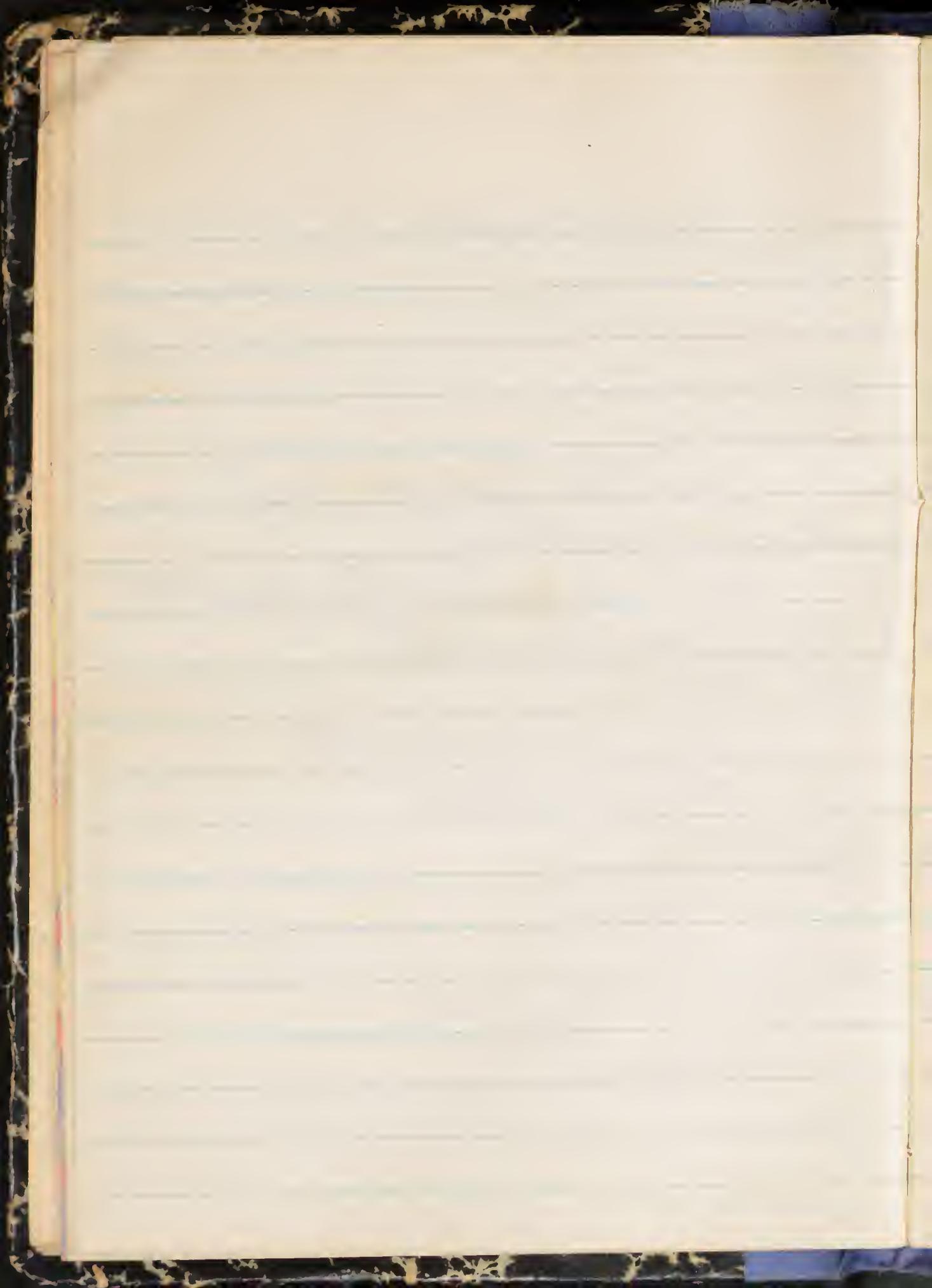
— 3 mi E Mohawk

25 *Acacia*?

26 "

27 "

28 "

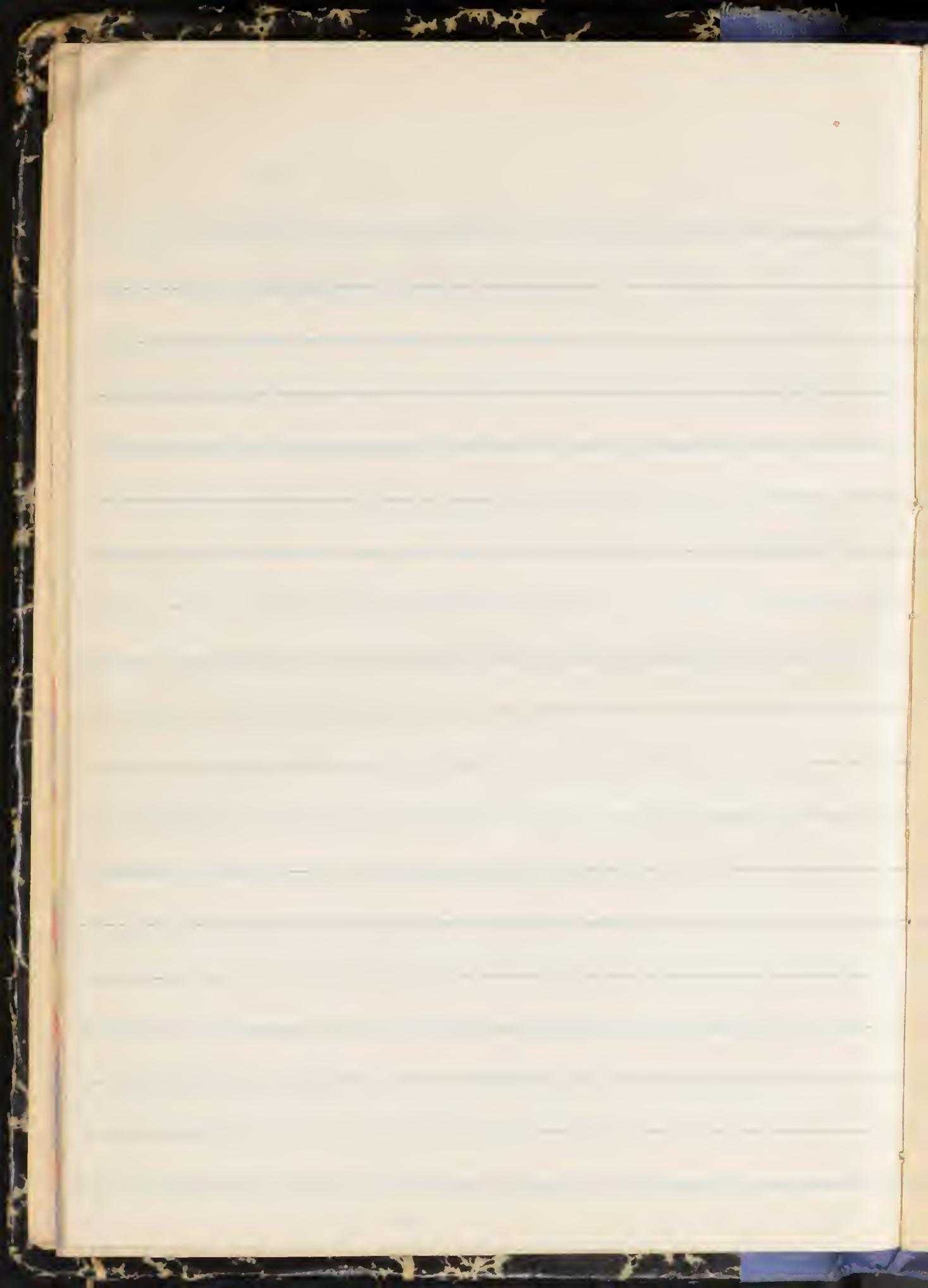


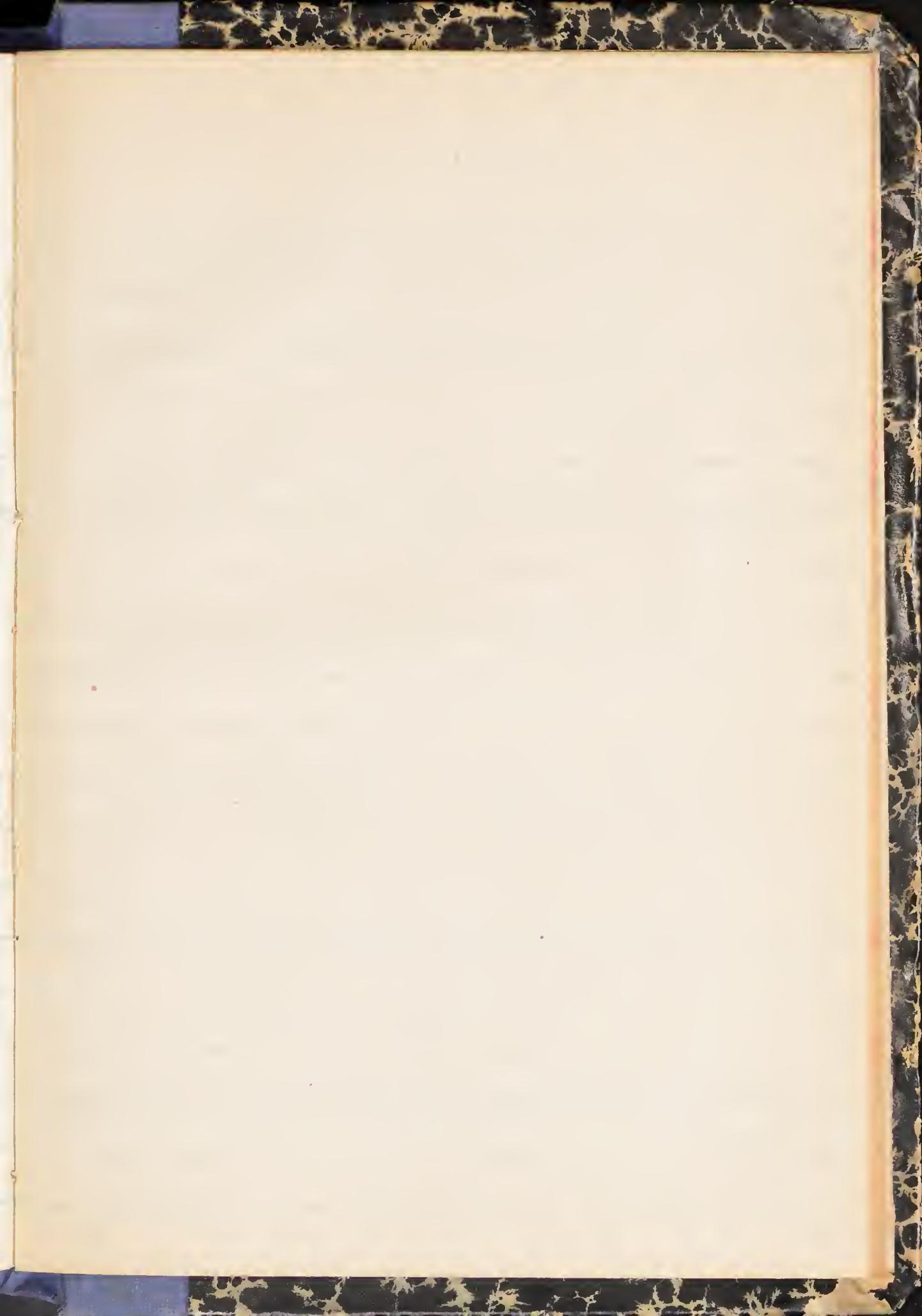
J.-six Ranch. Benson Sept 19<sup>th</sup> loc #32

28 *Sciaragnum* yellow legged small

29 " "

30 "





31  
32





